State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES
6 Hazen Drive, P.O. Box 95, Concord, NH 03302-0095
(603) 271-3406 FAX (603) 271-7894

July 15, 2002
Letter of Deficiency
DAM #026.12

Mr. Stanley Olsen
P.O. Box 10000
Crystal River, FL 32629

RE: Tannery Brook Dam, Boscawen

Dear Mr. Olsen:

The Department of Environmental Services, Dam Bureau (DES) consistently strives to enhance the safety of dams in New Hampshire through its dam safety program. One of the many instruments that plays a part in reaching this goal is our inspection program. DES is forwarding this correspondence to you to advise you that in accordance with RSA 482:12 and Env-Wr 502.02, an inspection of the subject dam was conducted on December 5, 2001. During this visual inspection and/or file review, the following deficiencies were observed:

The earthen material on the upstream and downstream sides of the stoplog bay is sloughing. The sinkhole noted in the 1996 inspection report has been eroded away. This exposes the cutoff walls of the concrete stoplog bay on both the right and left, upstream and downstream, sides. The retaining walls of the stoplog bay appear to be too short to hold back the fill needed to stabilize the concrete structure;

2. The downstream side of the culvert is eroded and partially compressed. The culvert has been reduced from a 12" diameter CMP to an ellipital shape 10" high and 18" wide;

3. The downstream slope of the stoplog bay was covered with debris;

4. There is light brush and a poor vegetative cover on the upstream and downstream faces of the dam;

5 The crest of the dam had a small brush pile located about 5 feet from the left edge of the stoplog bay; and

6. There is no operation and maintenance procedure plan (O&M) on file with the DES.

DES believes that the above deficiencies can be corrected by performing the following items by the indicated schedule:

Immediately:

1. Remove all stoplogs from the stoplog bay and do not replace until action has been taken to stabilize the concrete stoplog structure;

September 30, 2002:

2. Submit plans to the DES, as completed by a New Hampshire Professional Engineer, for stabilizing the concrete stoplog bay structure. The retaining walls of the stoplog bay appear to be too short to hold back the fill and may need to be extended in order to stabilize the concrete structure;

3 Prepare and submit to the DES a written operations and maintenance procedure plan. The plan should describe the control of impoundment levels, monitoring and maintenance procedures, and identify emergency contact personnel. Refer to the enclosed guidelines;

4. Remove the debris from the downstream slope of the stoplog bay to prevent further buildup;

5 Cut the brush on the upstream and downstream faces of the dam and establish a hearty vegetative cover;

6. Remove the brush pile from the crest of the dam located approximately 5 feet from the left edge of the stoplog bay; and

Continuously Monitor:

7. Monitor the culvert through the embankment and repair if it becomes inoperable.

DES is requesting that you complete and submit the attached "Intent to Complete Repairs" form, within 30 days of receipt of this letter, that will provide for correction of the identified deficiencies by the date(s) indicated above. If you believe changes to the items of work or dates are necessary, please make the changes directly on the form and provide a brief explanation. We have enclosed a self addressed stamped envelope for you to return this form.

Our intent in sending you this correspondence is to make you aware of items that DES believes warrant your attention to insure the continued safe operation of your dam. It is our hope that, through the submittal of the attached form and a commitment to keeping a well-maintained dam, you will voluntarily comply with the requested items of work. If we do not receive the intent form or a similarly adequate written reply, we will assume that you are in agreement with our findings and recommendations and DES will carry out follow-up inspections accordingly.

If you have any questions or comments regarding this Letter of Deficiency or would like to be present at future inspections, please contact me at 271-3406, or write to the Water Division at the address listed on the top of the previous page.

Sincerely,

COPY

Amy C. Clark
Dam Safety Engineer

Attachments Guideline for an O&M, DB8, DB13
cc: Gretchen Rule
Town of Boscawen
Certified # 7000 1670 0000 0586 0547
ACC/was/h:/safety/wendy/lod/026-12lod.doc